

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended): A pressure sensor including  
a semiconductor device capable of detecting pressure;  
a bonding wire;  
a terminal that is connected to the semiconductor device by the bonding wire;  
a housing having an accommodation space accommodating the semiconductor device,  
the bonding wire and the terminal;  
a diaphragm sealing the accommodation space; and  
a working fluid that is sealed in the accommodation space and transmits pressure  
applied to the diaphragm to the semiconductor device, wherein  
the working fluid is a silicone-based oil; and  
the terminal and the housing are sealed by a fluorine-based adhesive to prevent  
swelling of the adhesive.

Claim 2 (Previously Presented): A pressure sensor including  
a semiconductor device capable of detecting pressure;  
a bonding wire;  
a terminal that is connected to the semiconductor device by the bonding wire; and  
a housing having an accommodation space accommodating the semiconductor device,  
the bonding wire and the terminal, wherein  
the terminal and the housing are sealed by a fluorine-based adhesive.

Claim 3 (Original): The pressure sensor according to claim 1, wherein the fluorine-  
based adhesive is a perfluoro polyether resin composition.

Claim 4 (Original): The pressure sensor according to claim 2, wherein the fluorine-based adhesive is a perfluoro polyether resin composition.

Claim 5 (Previously Presented): The pressure sensor according to claim 2, wherein the pressure sensor does not include a working fluid.

Claim 6 (Previously Presented): A method of making a pressure sensor including a semiconductor device capable of detecting pressure; a bonding wire; a terminal that is connected to the semiconductor device by the bonding wire; a housing having an accommodation space accommodating the semiconductor device, the bonding wire and the terminal; a diaphragm sealing the accommodation space; and a working fluid that is sealed in the accommodation space and transmits pressure applied to the diaphragm to the semiconductor device, where the working fluid is a silicone-based oil; and the terminal and the housing are sealed by a fluorine-based adhesive, the method comprising  
sealing the terminal and the housing with the fluorine-base adhesive; and  
producing the pressure sensor of claim 1.

Claim 7 (Previously Presented): A method of making a pressure sensor including a semiconductor device capable of detecting pressure; a bonding wire; a terminal that is connected to the semiconductor device by the bonding wire; and a housing having an accommodation space accommodating the semiconductor device, the bonding wire and the terminal, where the terminal and the housing are sealed by a fluorine-based adhesive, the method comprising

sealing the terminal and the housing with the fluorine-based adhesive; and  
producing the pressure sensor of claim 2.